NDIA Homeland Security Symposium

May 25, 2004

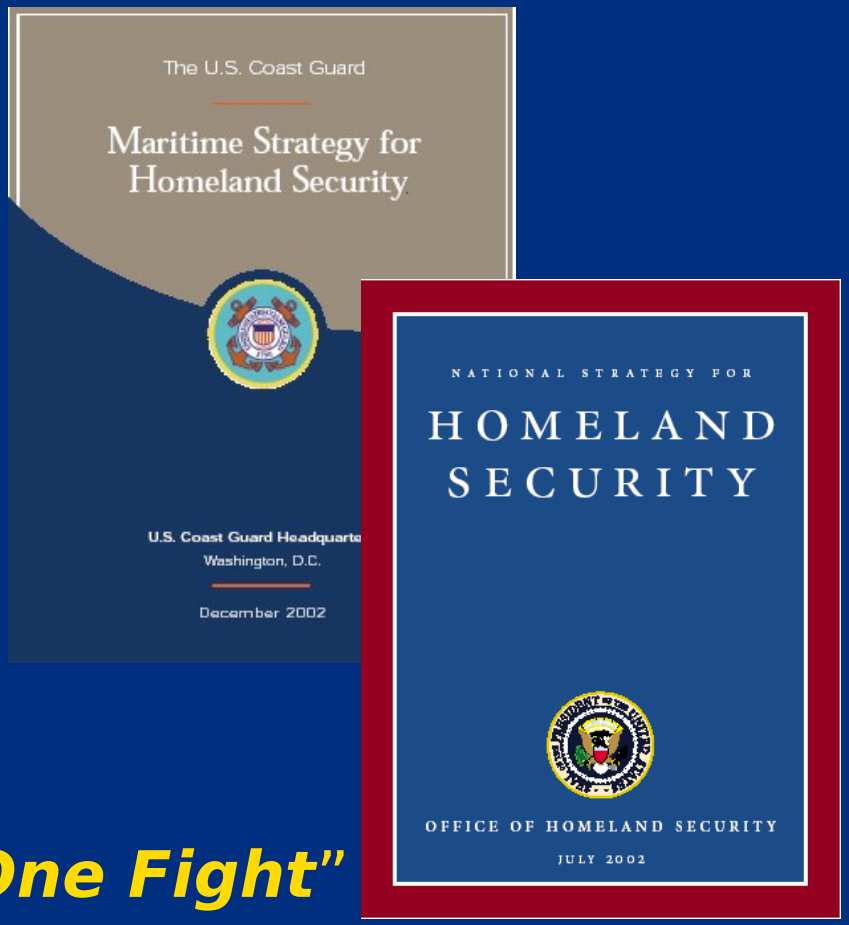
Commander Steve Metruck
San Diego Captain of Port

San Diego Joint Harbor Operations Center (JHOC)

Joint Harbor Operations Cen

Executing Strategy:

- **Unify protection effort**
- **Enable effective partnerships**
- **Develop complementary interconnected systems**
- **Ensure essential requirements met**



"One Team, One Fight"

Homeland Security

ASW Center
Harbor Island
CG Base
North Embarcadaro
B Street Pier
Shelter Island
Navy Broadway Complex
Carrier Basin
Convention Center
10th Avenue Marine Terminal
La Playa Fuel Pier
NAS North Island
Coronado Bridge
Point Loma Sub Base
Glorietta Bay
Naval Amphibious Base Coronado
Naval Station San Diego
Cabrillo Monument
National City Marine Terminal
Microcosm of U.S. Tactical Challenges:
Ports:
Military Facilities
Commercial Facilities
Significant Bridges
High Visibility Public Sites
Marinas, Attractions, Passenger and Cruise Vessel Terminals
Commercial Vessels:
• 1.2M Pax/yr
• 200 Cruise Ships/yr with 2.2M Pax/yr
• 280 Cargo Vsls/yr
• 40,000 Containers
• 2.6M Vehicles/yr
Naval Vessels:
• 67 Naval Vessels
• 3 Carriers
• 7 Attack Subs
Recreational Vessels:

San Diego JHOC Stakeholders

"Enable effective partnership…"

Dept of Homeland Security

- Coast Guard
  - Activities San Diego
  - Eleventh District
  - Pacific Area
  - Commandant
- ICE
- CBP
- TSA

Navy

- Navy Region Southwest
- AT/FP Test Bed (N-34)
- Naval Criminal Investigative Service
- Third Fleet

Other Federal Agencies

- FBI
  - Joint Terrorism Task Force
- DOJ
  - A/T Advisory Committee

Local/State Govt Agencies

- San Diego Port Authority
  - San Diego Harbor Police
- California National Guard
- City of San Diego
- City Police Depts
- San Diego County
- California Highway Patrol/CALTRANS

"… unify protection effort."

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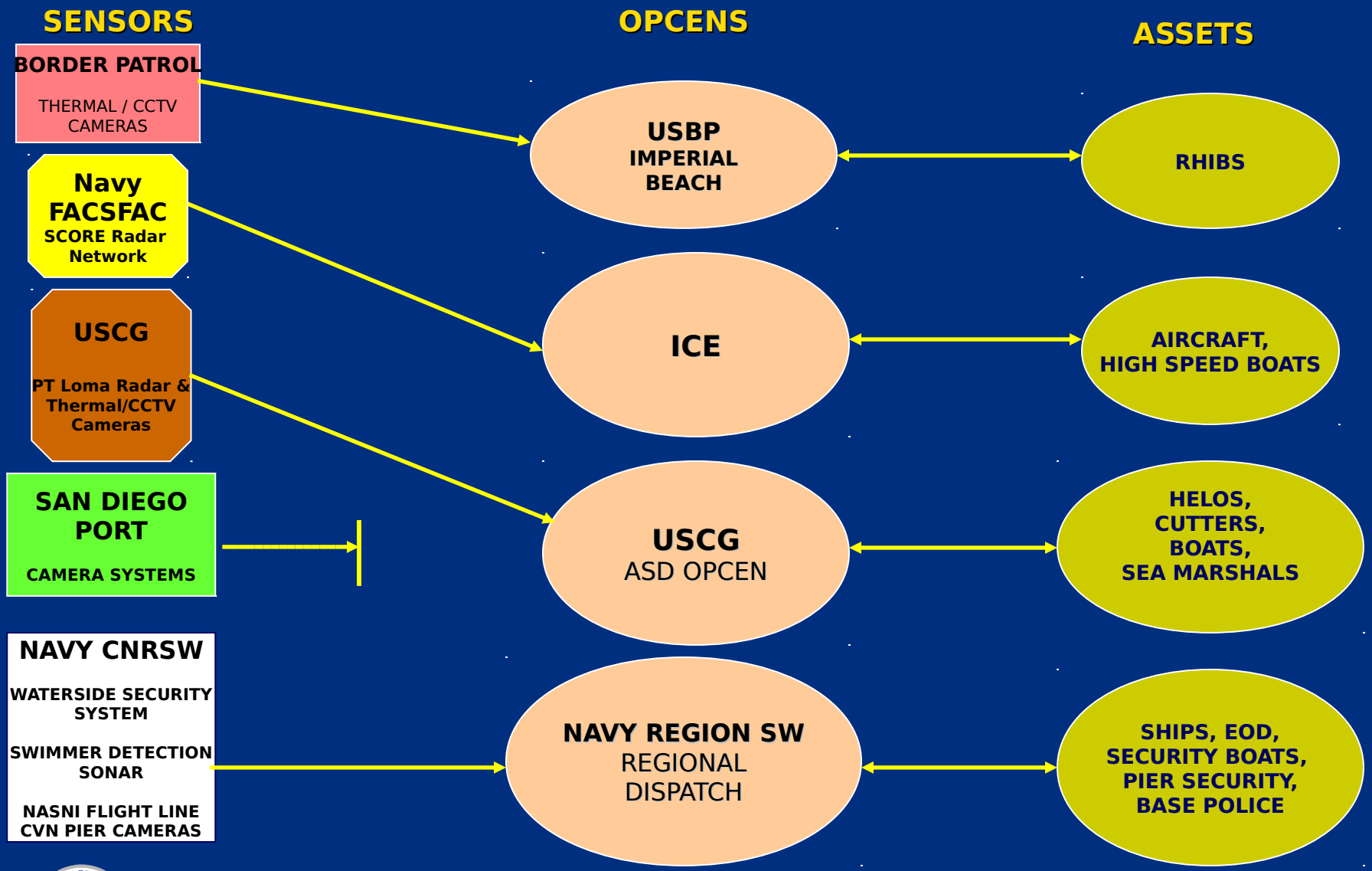
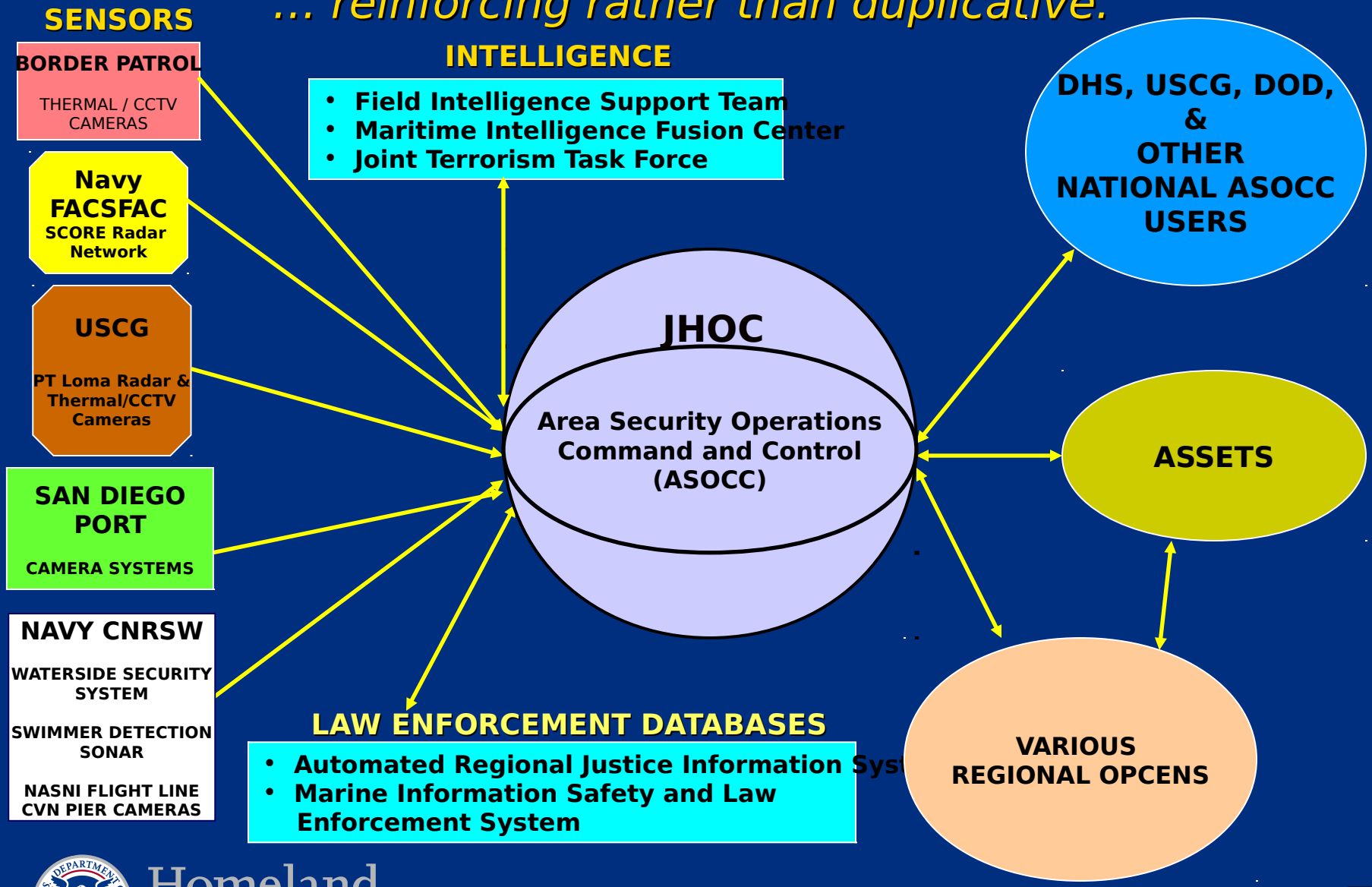
Present Stovepipe Sensor Systems



JHOC Integrated Sensor Systems & Databases

"… reinforcing rather than duplicative."



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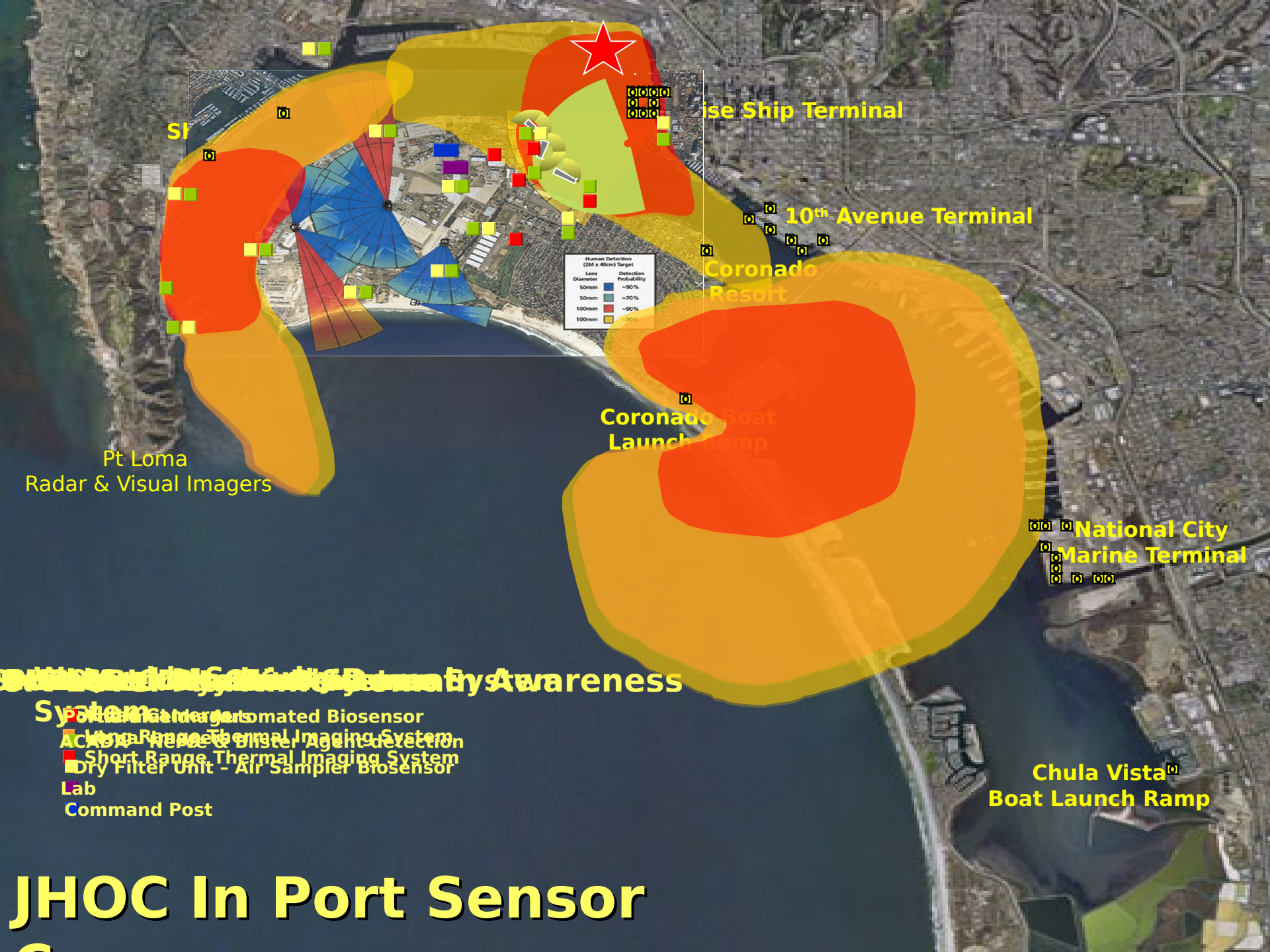
JHOC Sensor Systems

"… ensure essential requirements are met."

- **RADAR**
- **Visual Imaging Systems**
- **Thermal Imaging Systems**
- **Underwater Swimmer Detection System**
- **Chem/Bio Sensors**

JHOC Offshore Coverage



JHOC In Port Sensor

Elements of the Common Operational Picture

Area Security Operations Command and Control (ASOCC) System

Geospatial Visualization **Situation Management** **Collaboration Tools**

Web Information Sources **Auto Alerts & Reporting** **Checklists w/ Preplanned Responses**

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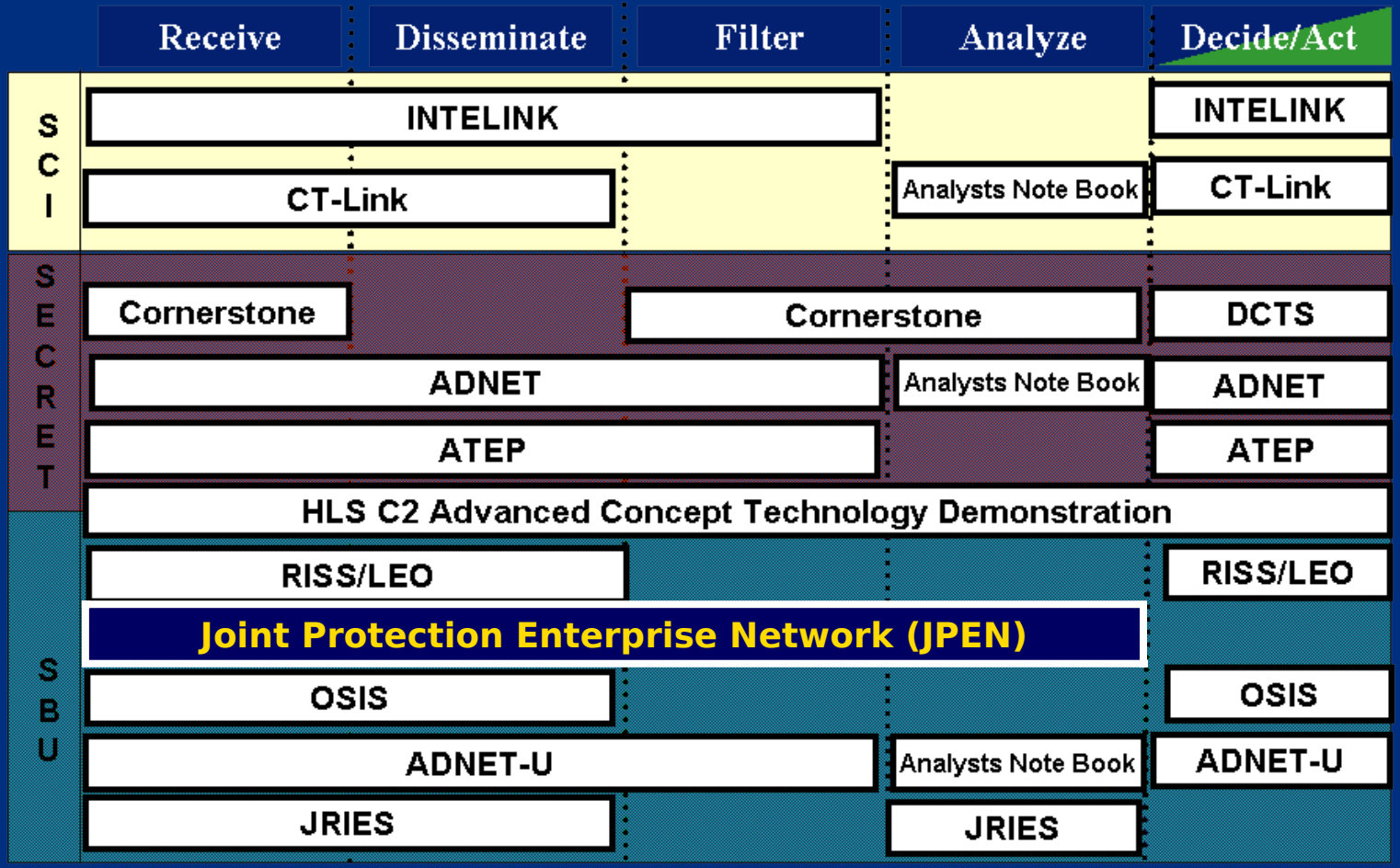
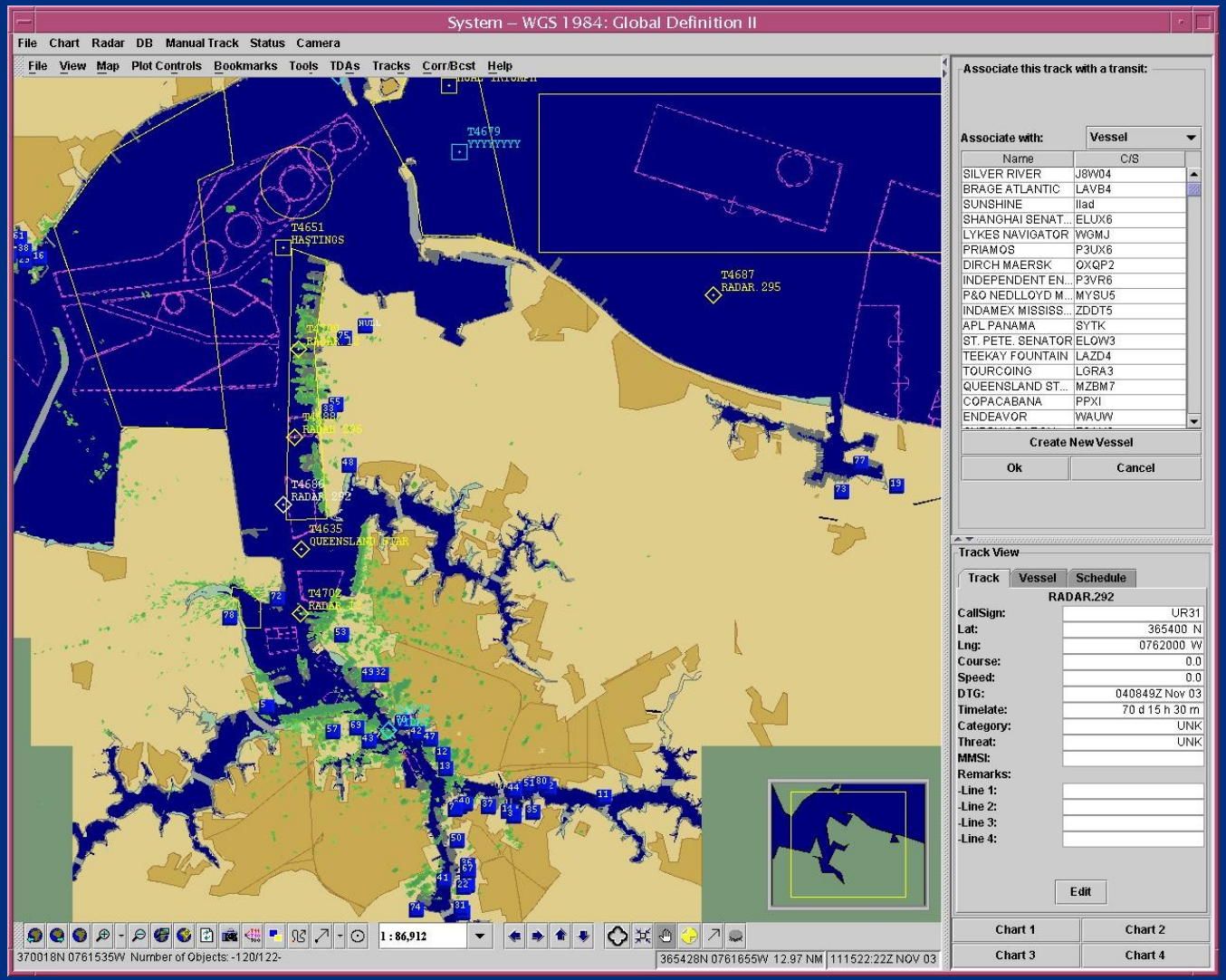
Homeland Defense Information Sharing Systems (Partial List)



INTELINK – Intelligence Link
CT-LINK – Counter Terrorism Link
CORNERSTONE – CIFA Counter Intelligence Program
DCTS – Defense Collaborative Tool Set
JRIES – JTF-CT/RISS.NET Information Exchange System

ADNET – Anti-Drug Network
ATEP – Anti-Terrorism Enterprise Portal
ASOCC – Area Security Operations Command & Control
RISS/LEO – Regional Information Sharing System/Law Enforcement On-Line
OSIS – Open Source Information System

Maritime Domain Awareness Real Time Display



- Ship Positions
- Radar Overlay
- Key Facilities
- Boundaries and Control Points
- Blue Forces
- Events

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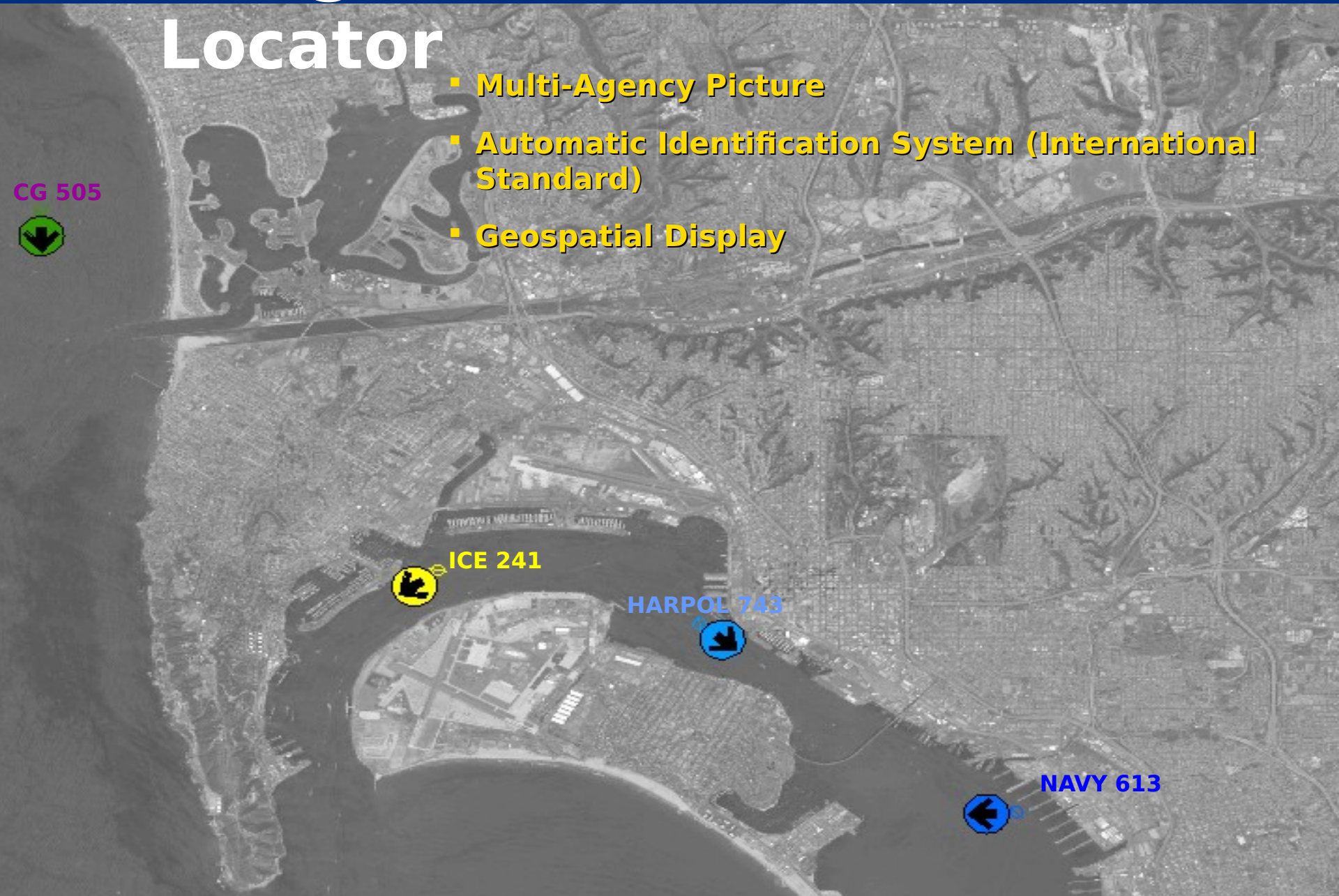
Integrated Blue Force Locator

- Multi-Agency Picture
- Automatic Identification System (International Standard)
- Geospatial Display



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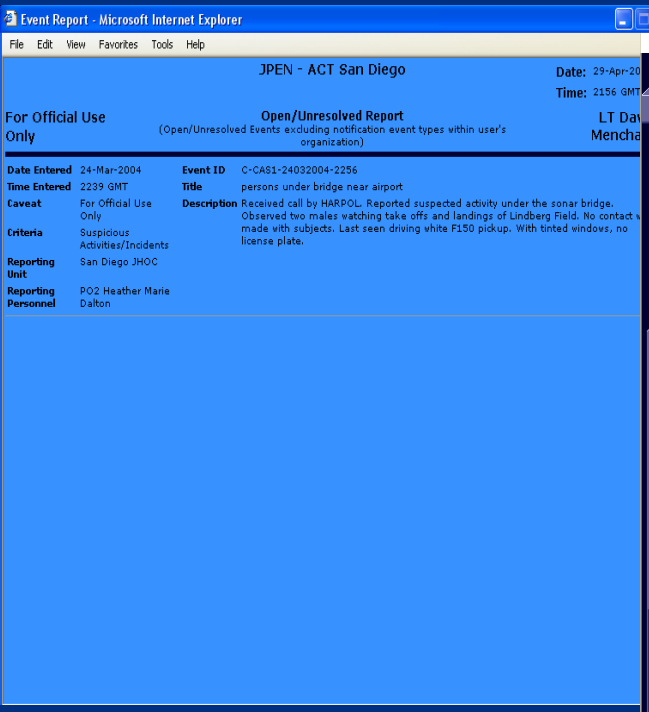
Event Report - Microsoft Internet Explorer
File Edit View Favorites Tools Help
JPEN - ACT San Diego
Date: 29-Apr-20
Time: 2156 GMT
For Official Use Only
Open/Unresolved Report
(Open/Unresolved Events excluding notification event types within user's organization)
LT Dav Mencha
Date Entered 24-Mar-2004
Time Entered 2239 GMT
Caveat For Official Use Only
Criteria Suspicious Activities/Incidents
Reporting Unit San Diego JHOC
Reporting Personnel PO2 Heather Marie Dalton
Event ID C-CAS1-24032004-2256
Title persons under bridge near airport
Description Received call by HARPOL. Reported suspected activity under the sonar bridge. Observed two males watching take offs and landings of Lindberg Field. No contact made with subjects. Last seen driving white F150 pickup. With tinted windows, no license plate.

For Official Use Only
JPEN - ACT San Diego
LT David Menchaca
.: Home
.: Mapping
.: Reports
.: Preferences
.: Admin
.: Logout
:: Search :: Post TALON Event :: Post Force Protection Event :: Issue Alert :: Send Notification :: Help
.: Event Category Assessment
CNS1 - NAV REG SW - ALL
20%
CNS1 - NAVREG SW
4%
.: FP Condition
ACT San Diego
ALPHA (+)
.: Alerts
New All
.: Collaboration
WebShare SBU
.: Event Report
Search Select Field Equal To Search Show 10 Records Search All Filter
1310 Records Returned
First | Previous | Next | Last
Pages: [1] | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 |
ID Type Caveat Date Title City State Last Update Clear Sort
A-MEA1-29042004-2607 Vehicle Turnaround FOUO 27-Apr-2004 1151 GMT Vehicle Turnaround Fort Meade MD 29-Apr-2004
A-MEA1-29042004-2606 Vehicle Turnaround FOUO 27-Apr-2004 1621 GMT Vehicle Turnaround Fort Meade MD 29-Apr-2004
A-MEA1-29042004-2605 Vehicle Turnaround FOUO 28-Apr-2004 2056 GMT Vehicle Turnaround Fort Meade MD 29-Apr-2004
A-MEA1-29042004-2604 Vehicle Turnaround FOUO 28-Apr-2004 1950 GMT Vehicle Turnaround Fort Meade MD 29-Apr-2004
A-MEA1-29042004-2603 Vehicle Turnaround FOUO 28-Apr-2004 2332 GMT Vehicle Turnaround Fort Meade MD 29-Apr-2004
A-MEA1-27042004-2602 Vehicle Turnaround FOUO 26-Apr-2004 0947 GMT Vehicle Turnaround Fort Meade MD 27-Apr-2004
JPEN
For Official Use Only

- **Integrated Force Protection information sharing & collection**
- **Vertical & Horizontal information sharing @ SBU level**
- **Information analysis by Counter Intelligence Field Activity to develop Pre-Incident Indicators**

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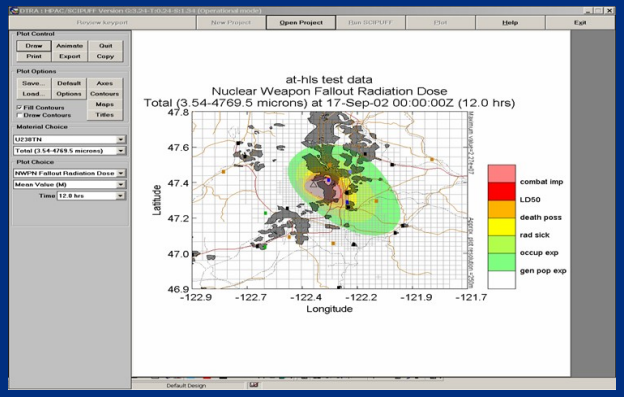
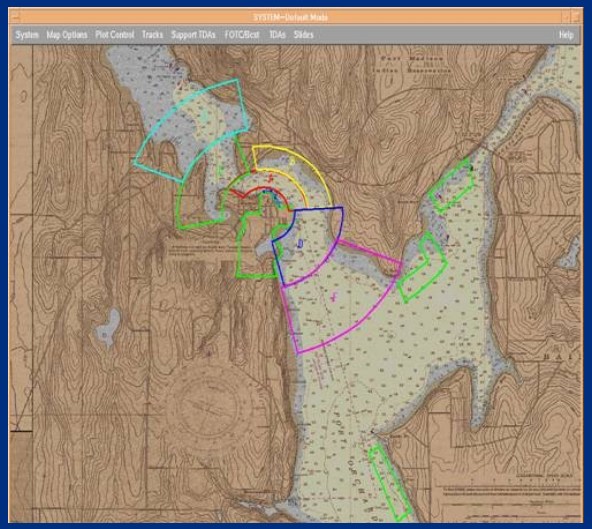
Integrated Warfare Commander's Cell (IWCC)





- **A variant of Global Command & Control System-Maritime (GCCS-M)**
- **JHOC Track Management Servers for Classified and unclassified Common Operational Picture**
- **Interfaces w/ Ship Based Command and Control**
- **USN CV Program of Record**

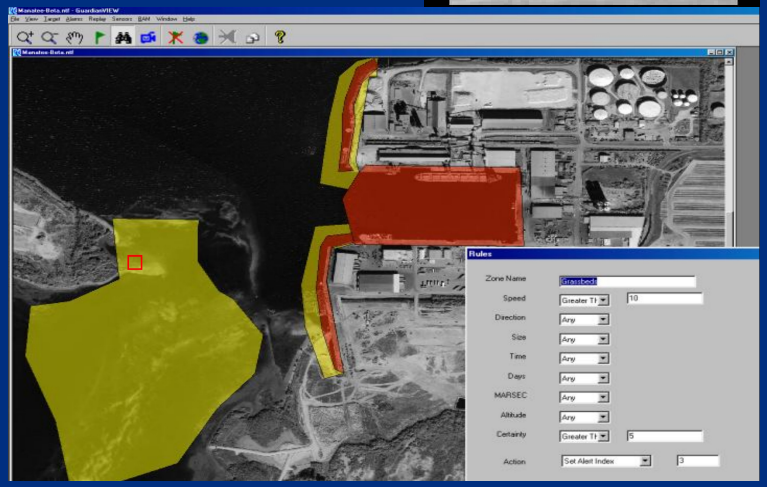
Leveraging Technology

- **Increase Effectiveness & Capabilities**
- **Decrease Watchstander Fatigue**

Smart Software Systems

- **Automatic Detection**
- **Automatic Tracking**
- **Automatic Alarming**

10:12:51 5/8/03 AZ+50.7 EL+0.4
GuardianSolutions at FPEF IV (5/03)
tracking a soldiers at 600m with a
Oregon Cameras Systems thermal w 300mm lens
GuardianWatch autotracking.
Black=hypothesis, Colored=Confident



ARJIS Databases exported to wireless PDA:

CLETS: Wanted Persons
REJIS: Probation Orders
Sheriff: Want/Warrant
Federal Databases
JIMS: Booking info
Probation Reports
CCMS: Court info
DMV Records
Calif. ID Photos
JURIS: DA info

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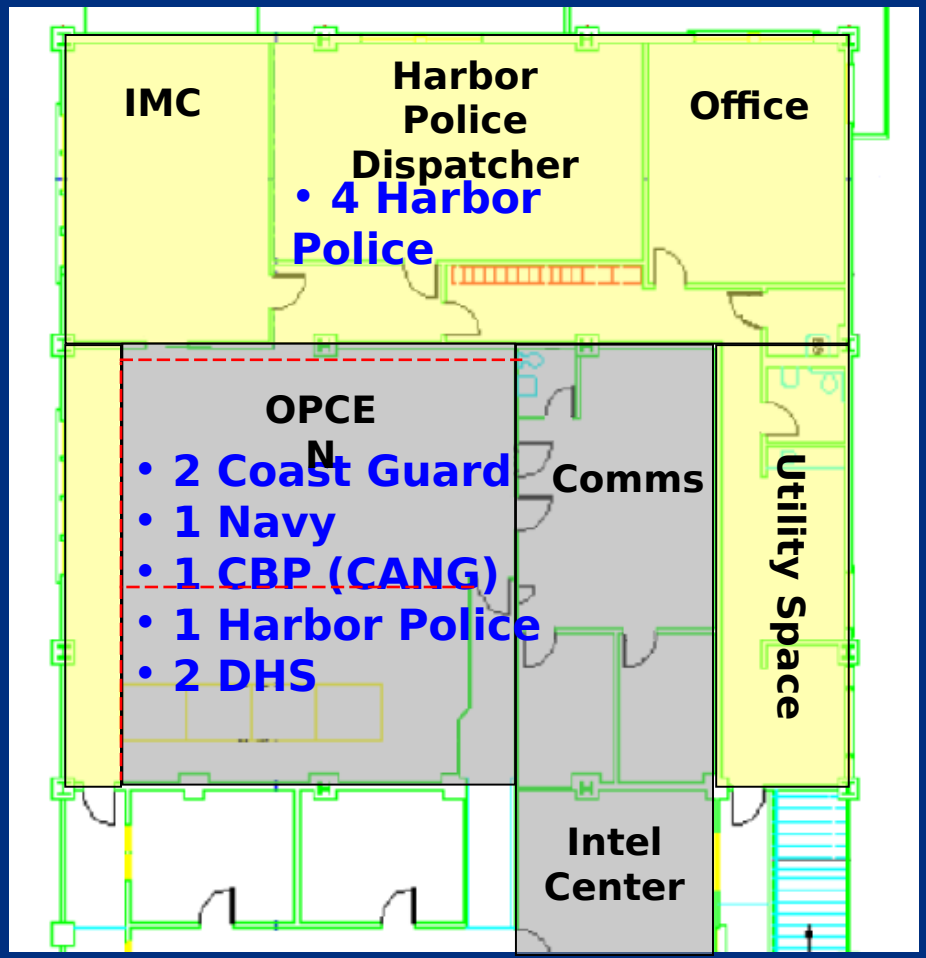
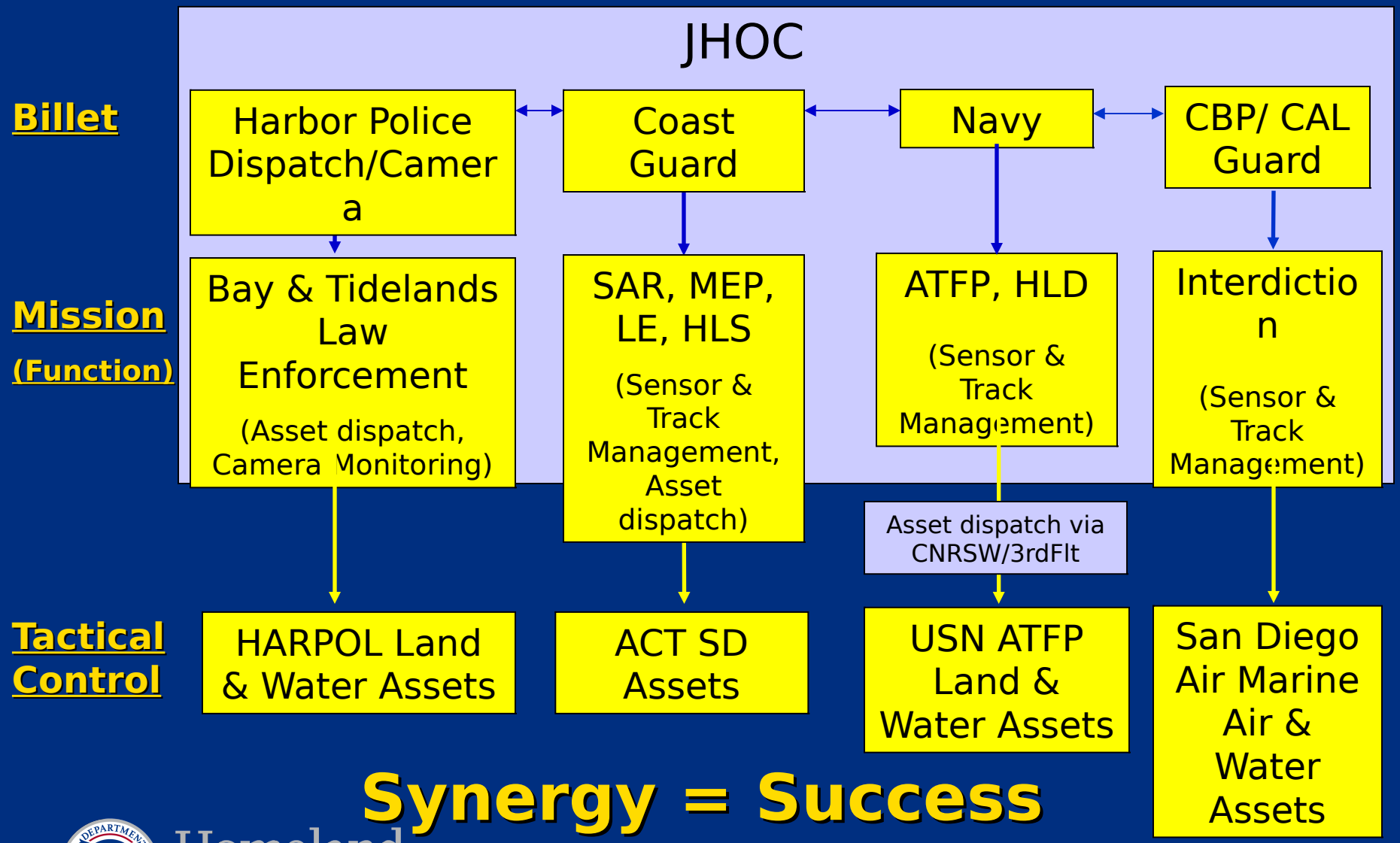
San Diego JHOC

Approximately 2700 ft² Addition



Initial Capability: July 04
Expansion complete: Februar

CONOPS Framework



Synergy = Success

JHOC Watchstander SOP

CG Situation Unit Controller:

Develop In Port/Offshore MDA

- Blue Force Awareness
- Security ops/boardings
- Update daily AVEL
- Port events, activities, & ops
- Deep draft vsl movements
- Deconflict vsl movements
- Consolidate port ops sched
- LE/INTEL checks
- Coordinate CG/Navy/local

Navy AT/FP Controller:

Develop Situational Awareness

- Maintain & track all Navy movements/Activities
- Deconflict Navy movements
- Consolidate port ops
- Coordinate use of Navy combatants & EOD/MCM
- Coordinate CG & all other Navy commands/units

JHOC Milestones

Preliminary IOC May 04:

- USCG, USN, CBP (CANG) watchstanders
- Point Loma Radar and Cameras
- C2 Systems: ASOCC, IWCC, JPEN

July 04:

- Harbor Police watchstander
- Installation of Port Cameras

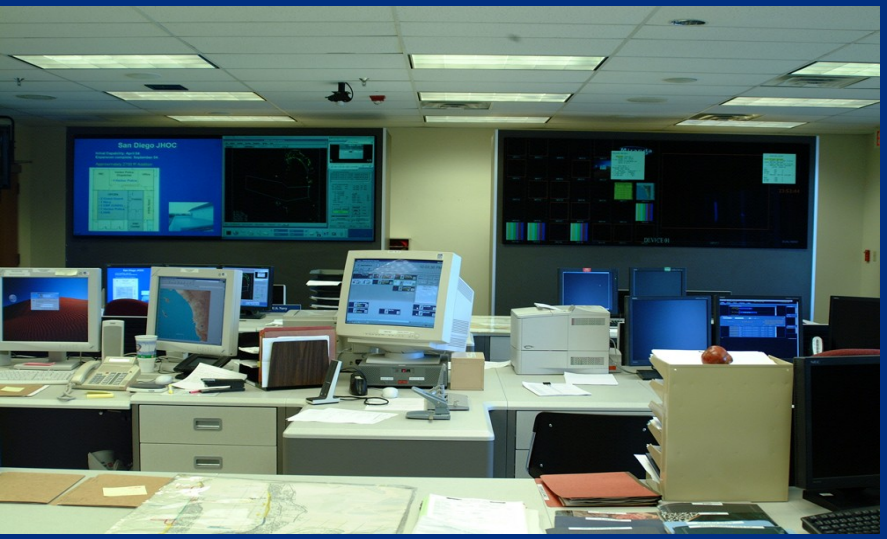
October 04:

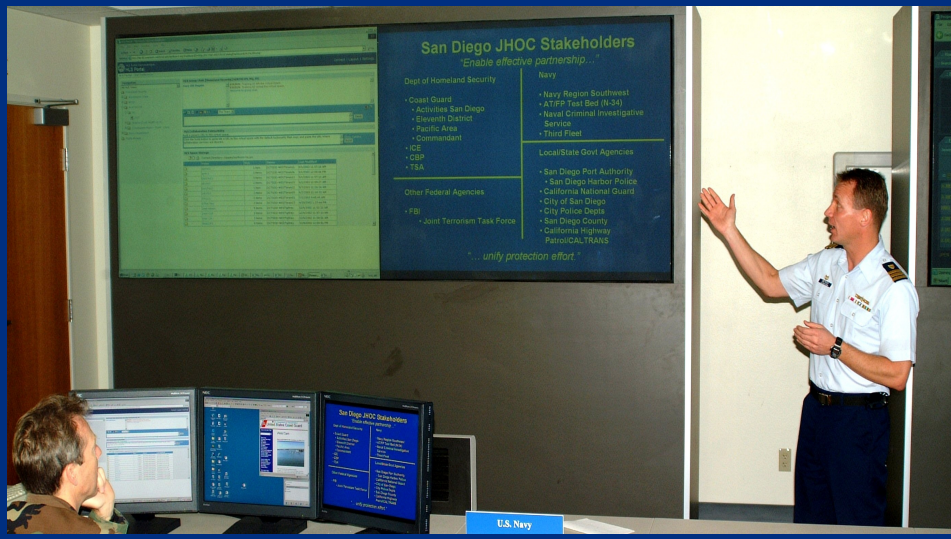
- Tactical LAN
- Integration of Navy Waterside Security System
- Chem/Bio Sensor Integration

February 05:

- SD Harbor Police Dispatch collocation
- JHOC Expansion Complete
- CGDN+ Connectivity

JHOC Current View



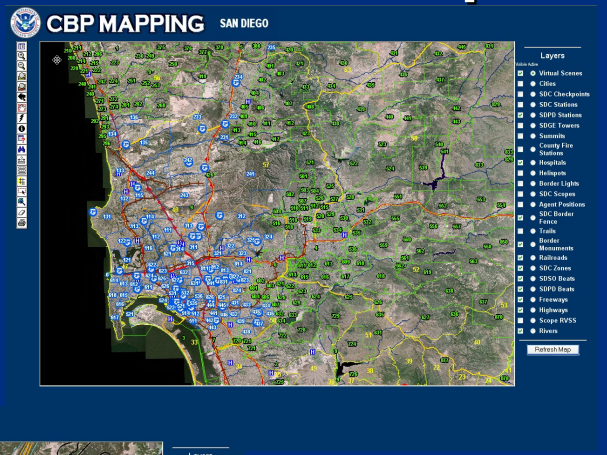


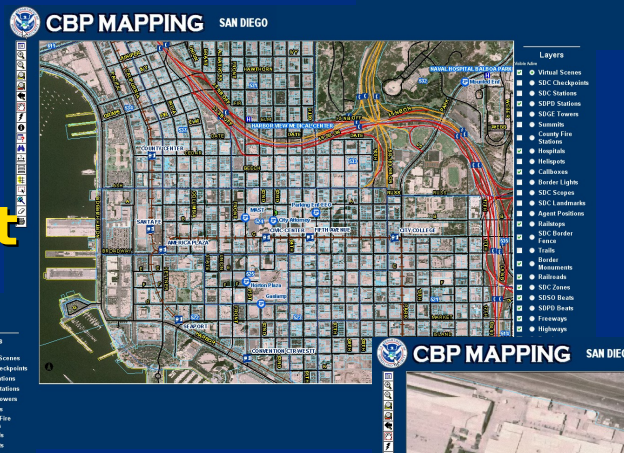
JHOC Challenges

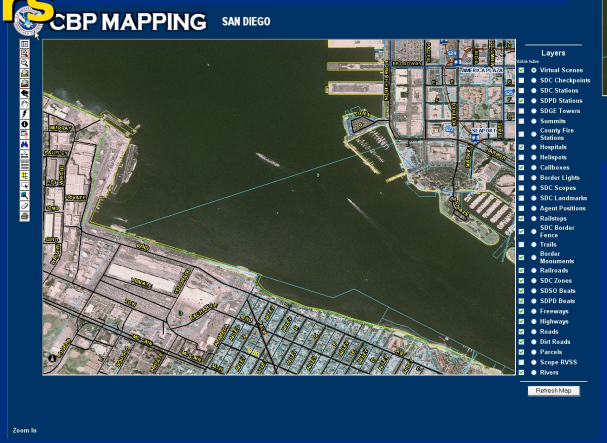
- ~~Security Clearances for non-federal participants~~
- Combining investments from different agencies
- Connectivity to CGDN+ and NMCI
- Formalizing relationships and responsibilities
- Multi-agency systems integration standards
- Future Sustainment

Neptune Nexus: Next Step

- Collection of Interagency Maritime Activities
- GIS-based Geospatial Display
- Chronological & Geographic Analysis
- Detection of trends
- Detection of Pre-Incident Indicators







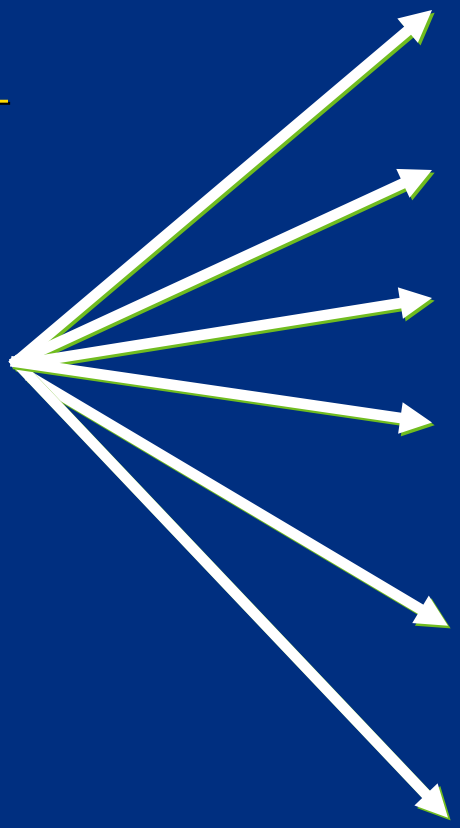
Homeland Security

San Diego JHOC

A Model of Integration

Key Benefits of JHOC:

- **Leverages sensors & resources**
- **Eliminates agency seams**
- **Promotes interagency synergy**
- **Enhances MDA**



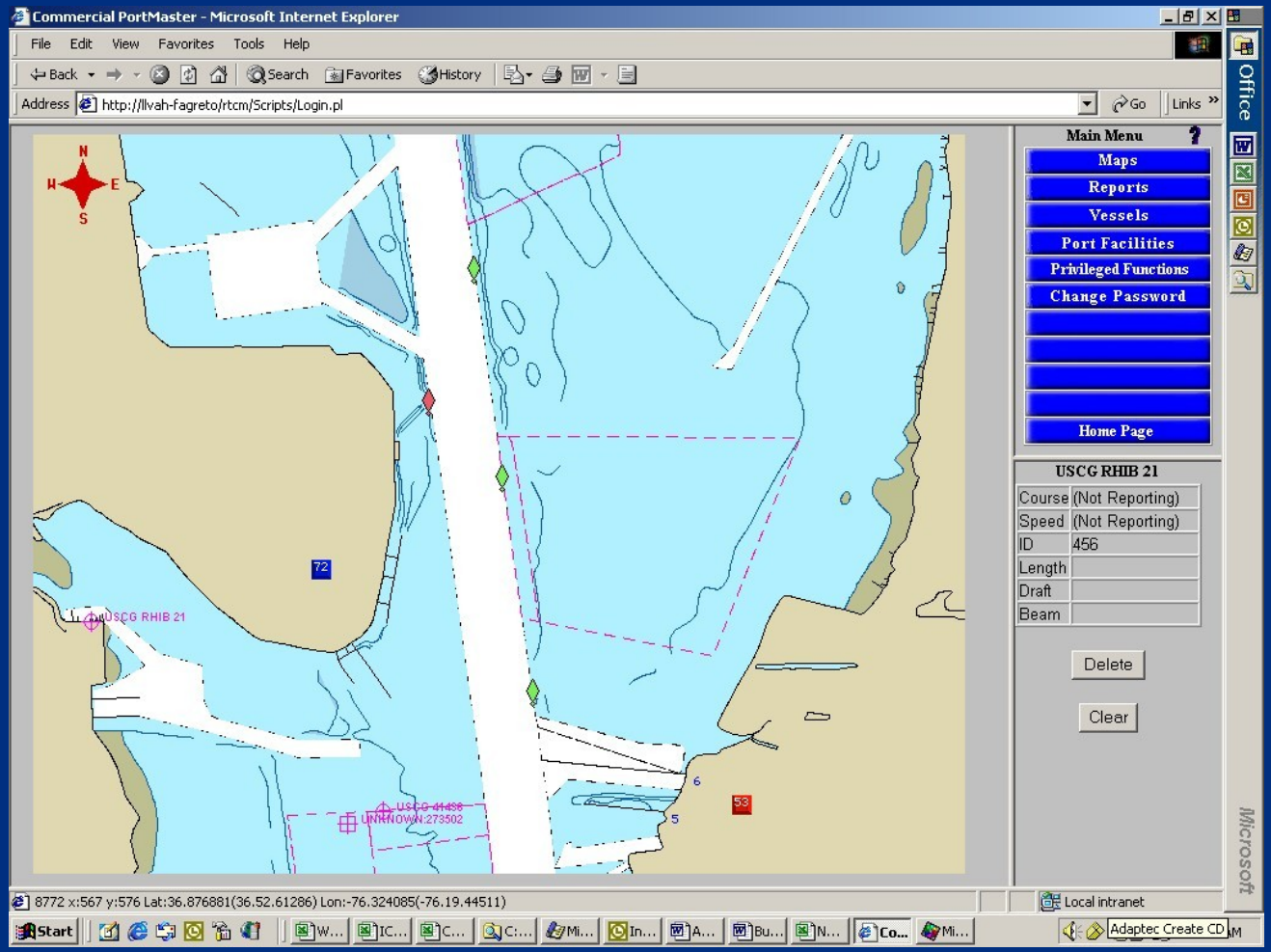
Elements of Maritime Homeland Security Strategy

- **Increase Maritime Domain Awareness**
- **Conduct Enhanced Maritime Security Operations**
- **Close Port Security Gaps**
- **Build Critical Security Capabilities and Competencies**
- **Leverage partnerships to Mitigate Security Risks**
- **Ensure Readiness for Homeland Defense Operations**

Homeland Security

Presen
2004

MDA Data Display



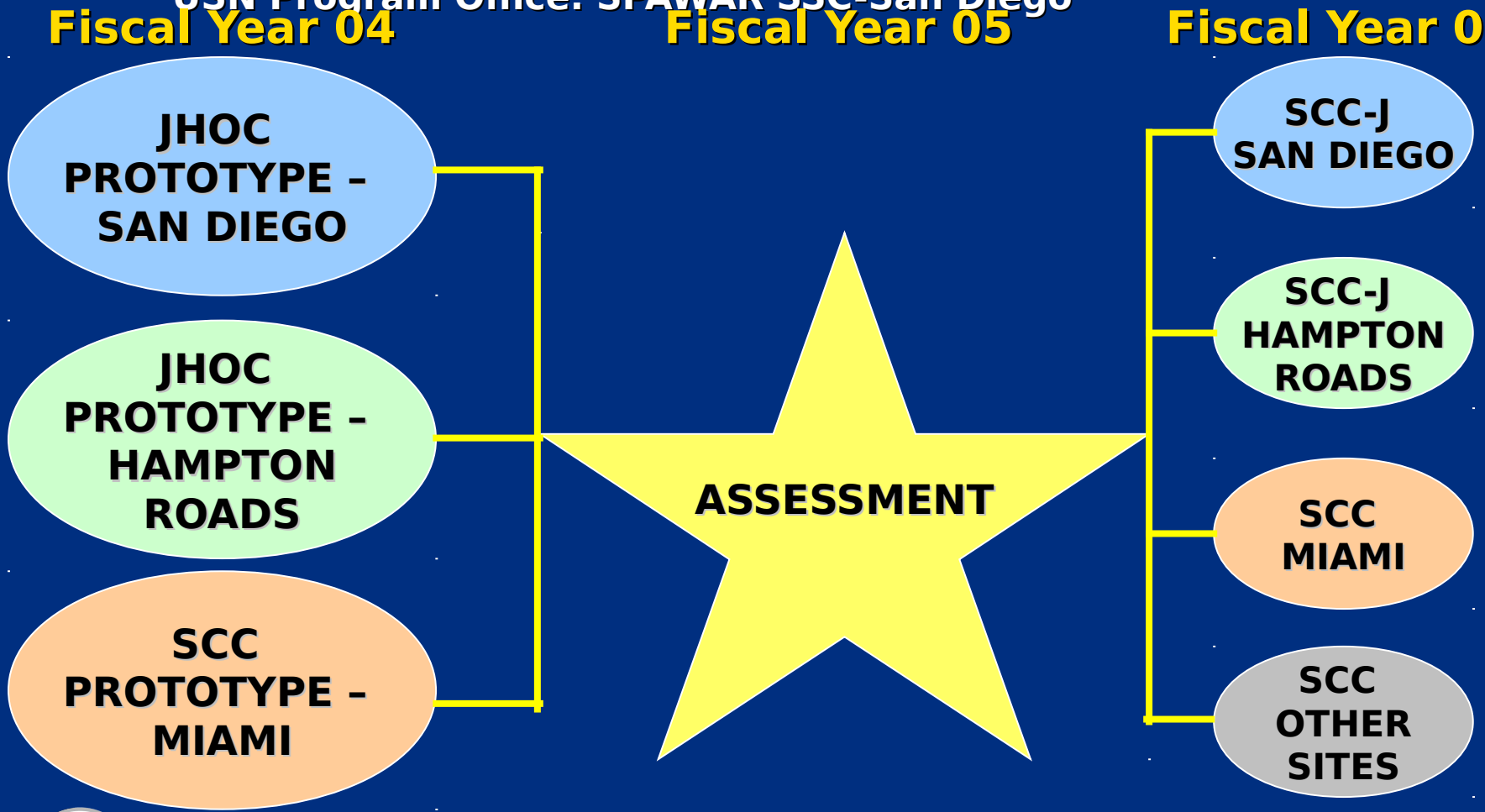
- User management
- Vessel info / characteristics
- Facility info / characteristics
- Scheduling
- Transit
- E-filing
- Reports
- Track display
- Overlays
- Radar video
- Alarms & alerts
- Camera display

Homeland Security

Prototype Transition Schedule

In FY06, program offices within the USCG and USN will be stood up.

USCG Program Office: USCG Operations (G-O)
USN Program Office: SPAWAR SSC-San Diego



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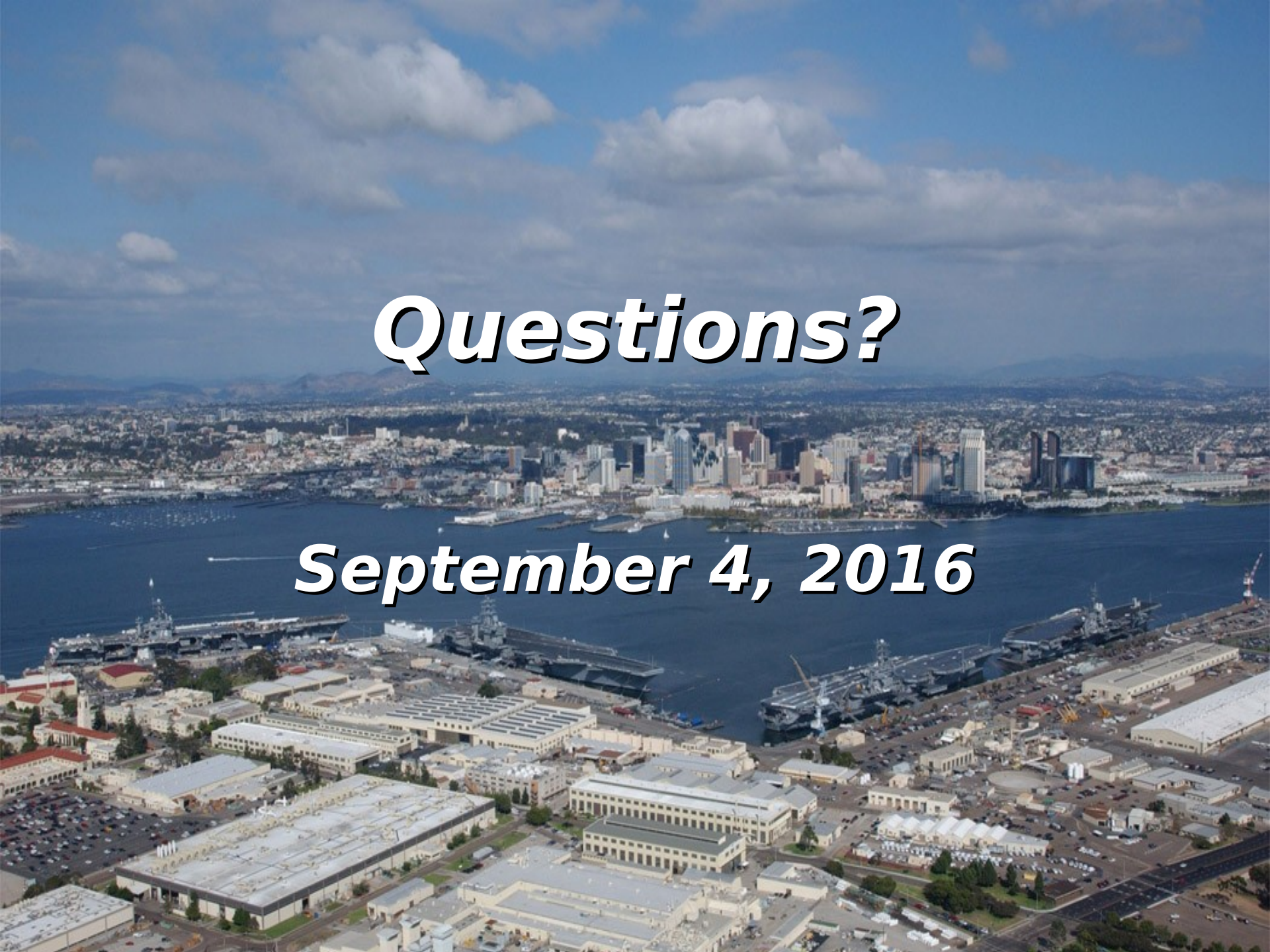
Questions?
September 4, 2016

JHOC History

- **Pre 9-11: No Maritime Domain Awareness in San Diego**
- **MIUW December 2001-September 2002: $3 million**
- **[illegible] d ar[illegible]**

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